

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A method of producing a transgenic turfgrass plant, comprising the steps of:
  - (a) providing regenerable callus tissue from the turfgrass plant;
  - (b) inoculating the tissue with *Agrobacterium* carrying at least one vector for transformation, the vector comprising virulence genes that confer strong infectivity to *Agrobacterium*, in which vector is inserted a heterologous DNA construct and a selectable marker conferring antibiotic resistance to transformed cells, wherein the DNA construct and selectable marker are operably linked to a promoter from a monocotylednous species, and a selectable marker gene conferring antibiotic resistance to transformed cells operably linked to a promoter from a monocotylednous species;
  - (c) culturing the inoculated tissue under conditions that enable the *Agrobacterium* vector to transform cells of the issue;
  - (d) selectively culturing the inoculated tissue on a selection medium comprising an antibiotic, wherein the transformed cells are resistant to the antibiotic; and
  - (e) regenerating a transformed turfgrass plant from the selectively cultured tissue.
2. (Original) The method of claim 1, wherein the turfgrass is a species selected from the group consisting of creeping bentgrass, tall fescue, velvet bentgrass, perennial ryegrass, hard fescue, Chewings fescue, strong creeping fescue, colonial bentgrass and Kentucky bluegrass.

3. (Original) The method of claim 1, wherein the *Agrobacterium* comprises a binary vector system and the virulence genes therein are obtained from a plasmid within *Agrobacterium tumefaciens* strain 281.
4. (Original) The method of claim 3, wherein the binary vector system comprises plasmid pSB111SH.
5. (Original) The method of claim 1, wherein the promoter is selected from the group consisting of maize ubiquitin gene promoters, rice actin gene promoters, maize *Adh 1* gene promoters, rice or maize tubulin (*Tub A, B or C*) gene promoters, and alfalfa *His 3* gene promoters.
6. (Original) The method of claim 1, wherein the selectable marker gene confers hygromycin resistance on transformed tissue.
7. (Original) The method of claim 1, wherein the callus is obtained by culturing seeds of the a turfgrass plant on a medium that promotes de-differentiation of plant tissue.
8. (Original) A transgenic turfgrass plant prepared by the method of claim 1.
9. (Currently Amended) A transgenic seed of the transgenic turfgrass plant of claim 8.

10. (Original) The transgenic turfgrass plant of claim 8, which comprises a transgene selected from the group consisting of:

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- (a) a gene encoding glucose oxidase;
- (b) a gene encoding citrate synthase;
- (c) a gene encoding  $\Delta$ -9 desaturase from *Saccharomyces cerevisiae* or *Cryptococcus curvatus*;
- (d) a gene encoding  $\Delta$ -11 desaturase;
- (e) a gene encoding a plant homolog of the neutrophil NADPH oxidase;
- (f) a gene encoding bacteriospin from *Halobacterium halobium*; and
- (g) a gene encoding pokeweed antiviral protein.

11 – 21. Canceled.

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